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PATENTS, TRADEMARKS, COPYRIGHTS  
AND RELATED MATTERS

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STUART N. SE  
(1921)

January 23, 2002

UTILITY PATENT APPLICATION TRANSMITTAL

(new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket Number: FIL 1859  
First Named Inventor: Michael Antony Tuke  
Title: SURGICAL SYSTEM  
Express Mail Label Number: EL 937977828 US

TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

APPLICATION ELEMENTS

1. ☒ Fee Transmittal Form  
(original and duplicate)
2. ☒ Applicant claims small entity status
3. ☒ Specification [Total Pages 23]
4. ☒ Drawings [Total Sheets 6]
5. Oath or Declaration [Total Pages 3]
  - a. ☒ Newly executed (original or copy)  
☐ New (unexecuted)
  - b. ☐ Copy from a prior application  
(for continuation/divisional with  
Box 19 completed)
    - i. ☐ DELETION OF INVENTOR(s)  
Signed statement attached  
deleting inventor(s) named  
in prior application.

31057 U.S. PAT. & TM. OFF.  
01/23/02  
KURT F. JAMES  
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69801  
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1-888-698-0101

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6. ☐ Incorporation By Reference  
(useable if Box 5b is marked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
7. ☒ Application Data Sheet
8. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
9. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

10. ☒ Assignment Papers (cover sheet & document(s))
11. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
12. ☐ English Translation Document (if applicable)
13. ☐ IDS with PTO-1449 ☐ Copies of IDS Citations
14. ☒ Preliminary Amendment
15. ☒ Return Receipt Postcard
16. ☐ Request and Certification for Non-Publication. Form PTO/SB/35 is attached.
17. ☒ Certified Copy of Priority Document(s) if foreign priority is claimed
18. ☐ Other: \_\_\_\_\_

**IF A CONTINUING APPLICATION, CHECK APPROPRIATE BOXES AND SUPPLY THE REQUISITE INFORMATION**

19. ☐ Continuation ☐ Divisional ☐ Continuation-in-Part of prior application No.: \_\_\_\_\_
- ☐ Complete Application based on provisional Application No. \_\_\_\_\_

Prior application information: Examiner:  
Group Art Unit:

CORRESPONDENCE ADDRESS

20. Correspondence Address: Customer Number 321  
Attention: Kurt F. James

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Kurt F. James", with a long horizontal flourish extending to the right.

Kurt F. James, Reg. No. 33,716

KFJ/dss

J1057 U.S. PTO

Figure 1 shows a schematic diagram of a 2D hexagonal lattice. The lattice is composed of hexagons, each with a central dot. The dots are arranged in a triangular pattern. The lattice is divided into two regions by a vertical line. The left region is labeled 'A' and the right region is labeled 'B'. The dots in region A are labeled with 'A' and the dots in region B are labeled with 'B'. The dots are arranged in a triangular pattern, with the top row having 1 dot, the second row having 2 dots, and so on. The dots are labeled with 'A' and 'B' in a way that suggests a periodic arrangement. The lattice is shown in a perspective view, with the dots appearing to recede into the distance.

1. ☐ The Commissioner is hereby authorized to charge the indicated fees to Deposit Account No. 19-1345.  
☐ The Commissioner is hereby authorized to charge any additional fees required under 37 CFR 1.16 and 1.17 to Deposit Account No. 19-1345.  
☒ Applicant claims small entity status.
2. ☒ Check Enclosed. The Commissioner is hereby authorized to charge any under payment or credit any over payment to Deposit Account No. 19-1345.

1. [X] BASIC FILING FEE Subtotal (1) \$ 370.00  
(Type: Utility)

2. [ ] EXTRA CLAIM FEES Subtotal (2) \$ \_\_\_\_\_  
Total Claims 8  
Independent Claims 3  
Multiple Dependent Claims \_\_\_\_\_

3. [ ] ADDITIONAL FEES Subtotal (3) \$ \_\_\_\_\_  
[ ] Surcharge - late filing fee or oath  
[ ] Surcharge - late provisional filing fee or cover  
sheet  
[ ] Extension for reply within \_\_\_\_\_ month  
[ ] Notice of Appeal  
[ ] Filing a Brief in Support of an appeal  
[ ] Request for ex parte Reexamination  
[ ] Petitions to the Commissioner  
[ ] Submission of Information Disclosure Statement  
[ ] Recording each patent assignment per property  
[ ] Request for Continued Examination  
[ ] Other: \_\_\_\_\_

Kurt F. James January 23, 2002  
Kurt F. James, Reg. No. 33,716 Date

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